

DETAILED ACTION
EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney Gordon Lindeen (Reg. No. 33192) on 27 July 2009. Discussed spelling out the acronyms throughout the independent claims and including the bonding and vectoring features in independent claims 68 and 73 and the cancelation of claim 72. Attorney authorized and agreed to the changes throughout the claims.

Claim 72 has been canceled.

As per currently amended claims 55, 62, 68, and 73, please insert the following amendment.

In claim 55, line 1, *DSL* has been replaced by --DSL (Digital Subscriber Line)--.

In claim 62, line 1, *DSL* has been replaced by --DSL (Digital Subscriber Line)--.

In claim 62, line 2, *a multiple loop segment* has been replaced by --a multiple loop segment, comprising a plurality of bonded loops,--.

In claim 68, line 1, *DSL* has been replaced by --DSL (Digital Subscriber Line)--.

In claim 68, line 4, remove *using at least two wires of a multiple loop segment*

In claim 68, lines 5-6, *at least two wires of the multiple loop segment referenced to a third common reference wire of the multiple loop segment* has been replaced by --

a plurality of twisted pairs from a multiple loop segment numbering K bonded twisted pairs so that there are 2K wires in the segment, one of the 2K wires being selected as a reference wire, the remaining (2K-1) wires being referenced to the reference wire to provide up to (2K-1) communications channels, the (2K-1) channels using vectoring across the channels--.

In claim 73, line 1, *computer-readable medium* has been replaced by -- computer-readable storage medium--.

In claim 73, lines 8-9, *at least two wires of the multiple loop segment referenced to a third common reference wire of the multiple loop segment* has been replaced by -- a plurality of twisted pairs from a multiple loop segment numbering K bonded twisted pairs so that there are 2K wires in the segment, one of the 2K wires being selected as a reference wire, the remaining (2K-1) wires being referenced to the reference wire to provide up to (2K-1) communications channels, the (2K-1) channels using vectoring across the channels--.

Allowable Subject Matter

2. The following is an examiner's statement of reasons for allowance:

The prior art fails to show or fairly suggest vectoring transmissions simultaneously to different customer premise equipments at different locations provided with at least one communications channel per customer premise equipment of a multiple loop segment, comprising a plurality of bonded loops, each loop comprising a twisted pair of wires all referenced to a common reference wire in a digital subscriber

line system in order to provide more communications channels than there are twisted pairs.

Conclusion

Other closer prior art made of record are Fishman (US 2004/0157566 A1) and Henderson et al. (US 6678375 B1).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ABDULLAH RIYAMI whose telephone number is (571)270-3119. The examiner can normally be reached on Monday through Thursday 8am-5pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Aung Moe can be reached on (571) 272-7314. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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